

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997
From: Eugene Rippen <soundval@foothill.net>
Subject: "Megohmmeter" needs
Message-ID: <33164C6D.2881@foothill.net>

I have a General Radio "Megohmmeter" Model 1862-B.

I would like to buy a manual and schematic (or copies thereof).

It is not operating correctly, and I want to fix it. Not having ever worked on one, it would probably be easier to fix if I had the schematic.

I have wanted a Megger for many years. I have a lot of transformers I want to check with it.

Your help will be appreciated.

Gene

From boatanchors@theporch.com Fri Feb 28 16:51:15 1997
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: 100V Chronicles: Filter Cap Woes
Message-ID: <199702281721.LAA20893@lesol1.dseg.ti.com>

Greetings,

As has been my routine for a few weeks, I fired up the R390A and 100V last night anticipating an hour or so of relaxing CW activity on 40 meters. I had no more than found a clear frequency and started calling CQ when an awful hum appeared. The 100V's scope looked pretty fuzzy too, so I aborted the CQ (and left somebody hanging who tried to answer!) Instead of an hour of relaxing CW activity, I spent an hour troubleshooting and tearing into the 100V power supply to get at the two big electrolytics on the HV line.

Alas, I found that one of the 250 microfarad, 450 volt electrolytics was open. Anybody know of a source for these things? This electrolytic is a tall insulated can with twist-tabs.

Has anyone else had problems with the big filter caps in the 100V power supply opening up? If this is a common problem, I'd prefer to replace all three at the same time. At any rate, it may be a good idea to replace the two series electrolytics used for HV filtering.

TIA for any info.

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Fri Feb 28 16:51:15 1997
From: Greg Roecker <roecker.greg@ist.mds.lmco.com>
Subject: RE: 100V Chronicles: Filter Cap Woes
Message-ID: <Chameleon.857153339.greg@roeckerpc.ist.mds.lmco.com>

>Alas, I found that one of the 250 microfarad, 450 volt
electrolytics was
>open. Anybody know of a source for these things? This
electrolytic is a
>tall insulated can with twist-tabs.
>
>Has anyone else had problems with the big filter caps in the
100V power
>supply opening up? If this is a common problem, I'd prefer to
replace all
>three at the same time. At any rate, it may be a good idea to
replace the

-----End of Original Message-----

Hi Bill,

Sorry to hear about the 100V . . . I replaced all the caps in
the power supply of my 200V. I used Frontier Electronics in
North Dakota. They rebuilt all the cans for me. I only had
trouble with one of them, and they rebuilt it again, at no
charge. I have no interest in the company, just a data point
for you. I also replaced most of the 2 watt resistors in the
power supply and underchassis, as I found many of them in my
200V were bad. The phone number of Frontier is 701-378-2341.

By the way, thanks for the help earlier on the 200V. I think I
have it back up and working.

73,

Greg / N4OSJ

Greg Roecker
E-mail: roecker.greg@ist.mds.lmco.com
Voice: 770.698.5226
Fax: 770.698.5220
From boatanchors@theporch.com Fri Feb 28 16:51:15 1997
From: "David L. Thompson" <thompson@mindspring.com>
Subject: RE: Associated radio E-mail
Message-ID: <1.5.4.16.19970228163909.09e765ec@pop.mindspring.com>

Gang,

I have several requests for Associated Radio (Overland Park, KS) phone # and e-mail address. I am on the road, but their e-mail address is:

Associated Radio <assocrad@tfs.net>

Their usedlist and catalog is \$3

Dave K4JRB

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997
From: Bob/WB0AUQ <brainbol@idir.net>
Subject: BA Field Day
Message-ID: <331661B6.6956@idir.net>

I forgot who all was discussing/interesting in running some serious BAs for Field Day 97. Recently suggested to my CW/QRP FD partner Dave/W0GI (non-member of list) that I was going to devote part of my time this year to a classic setup. He quickly became interested. At this point we are thinking of chucking the QRP entirely and running the full 24 hours BA CW. Got a homebrew xmtr in the design stage. Dave is an old timer and thinks we ought to keep the equipment early-1950s. This would rule out the 6146 for a final tube unless I can drag him into the middle of that decade. My main concern tho is the receiver. He has an HRO but I'm not familiar with Nationals and would rather use later technology, least mid- to late-50s so I could take out some of my receivers for a check out on the bedlam FD bands. Otherwise, the only receiver besides the HRO is my HQ129X....not very impressive. So.... what say you out there?? What equipment do you have in mind to haul out to the field? Are you going to trade the air-conditioned RV for an Army tent to really get into the BA mood? As they say, anticipation is at least half of anything. Let's

start anticipating and talking it over.
73, Bob/WB0AUQ/brainbol@idir.net

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997
From: Conard Murray <ws4s@InfoAve.Net>
Subject: Re: BA Field Day
Message-ID: <2.2.32.19970228133735.0076e960@infoave.net>

Hi Bob and the net,
Either the HRO or the '129X should be pretty nice on CW with the filter
screwed down tight. Whatever you do, don't take a TCS receiver out there
... I did last year and couldn't hear anything on 40 except a horrible din
of heterodynes, even with a DSP on the output. I swear I couldn't tell when
the BFO was on or off.
Also, pay a lot of attention to ease of spotting the transmitter on the
receiver frequency as you will do this often and you must do it very
precisely because these modern guys don't seem to know how to listen 5 hertz
from where their receiver is.
This should be a good thread. Why not combine QRP and BA and run something
with a 6L6 or 6V6 final?

73,

Conard WS4S

```
.....  
. Conard Murray WS4S Glowbugs listowner .  
. 217 Dyer Avenue ws4s@infoave.net .  
. Cookeville, TN 38501 615-526-4093 .  
. <>< Wise men still seek Him ><> .  
. QRP-L # 993 .  
.....
```

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: Re: BA Field Day
Message-ID: <Pine.ULT.3.95.970228082544.23015A-1000000@admin.aurora.edu>

On Thu, 27 Feb 1997, Bob/WB0AUQ wrote:

> Dave is an old timer and thinks we ought
> to keep the equipment early-1950s.
> My main concern tho is the receiver. He has an HRO but I'm not
> familiar with Nationals and would rather use later technology,
> least mid- to late-50s.....

To stick with that vintage, I would certainly use a Drake 2-B.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

From boatanchors@theporch.com Fri Feb 28 16:51:15 1997
From: Avery Comarow <acomarow@usnews.com>
Subject: BA list
Message-ID: <2.2.16.19970228134401.37df1ae2@pop3.usnews.com>

The following are for sale from Charles Vesser, a guy in Knoxville who I recommend because 1) he sold me an NC-303 and insisted on shipping me the radio with no payment from me ("If you like it, pay me"), 2) he did a GREAT packing job, and 3) he impresses me as a nice guy. I'd certainly buy from him again. I have no stake in selling the stuff listed. I just asked him to send me a list, and thought others might be interested. Call him at 423-690-9217.

National NC-57B, very clean, \$130.

National NC-183, very clean chassis, very clean panel, scratches on top and sides, \$200.

National NC-183 speaker, clean, \$65.

Hallicrafters S-41W, very clean, factory-painted white, rare, \$125.

Halli R-46 speaker, clean, \$65.

SX-99, very clean, \$135.

SX-100, some rust on chassis, \$100.

SX-43, clean, \$130.

Hallicrafters carrier indicator in factory case, as new, \$40.

S-41G, have two, \$75 each.

Parts sets: S-38A, S-38C, S-38E, \$30 each.

SX-25, have two, \$200 for both.

E.H. Scott RCH on-board ship's receiver, works, as new, \$400.

E.H. Scott Merchant Marine receiver "morale booster," in factory case, WWII, super rare, \$475.

Again, I make no representation as to the accuracy of these descriptions.
Tell him you got the list from me.

Cheers,

Avery Comarow W40GK

From boatanchors@theporch.com Fri Feb 28 16:51:15 1997
From: "Gene S. Katz" <gkatz@motown.lmco.com>
Subject: BA Sighting in Monster Flic
Message-ID: <Chameleon.970228140953.gkatz@pc062164.motown.lmco.com>

Name: Gene Katz
E-mail: gkatz@motown.lmco.com
From boatanchors@theporch.com Fri Feb 28 16:51:15 1997
From: dfrancis@access.usa.net (Dexter Francis)
Subject: BA Stuffus in the Flicks
Message-ID: <v01520d05af3cbf94e011@[207.0.57.74]>

Nick is right about the microphone nose droid showing up later. It's most of the face of a MedDroid that puts a bionic forearm on Luke after he lost his in the scuffle with Daddy Darth.

I've always liked the carpet underlayment and egg cartons on the inside walls of the turbo-lifts on the Enterprise in the original Star Trek.

Has anyone figured out if that's Chuck Yeager behind the bar (in Poncho's) in The Right Stuff?

(sorry for the BW, I'll go back to Rx SSB mode now...)

-df

* CWest Tube Sales - P.O. Box 22443 SLC, UT 84122 *
* (801) 363-TUBE voice/fax, E-mail: tubes@usa.net *
* http://www.usa.net/~dfrancis/CWest_Tube_Sales.html *

From boatanchors@theporch.com Fri Feb 28 16:51:15 1997
From: mirage!pamars@uucp-1.csn.net (P.A.Marshall)

Subject: Re: BA Stuffus in the Flicks
Message-ID: <9702281842.AA25372@mirage>

Dexter Francis writes:

>

> Has anyone figured out if that's Chuck Yeager behind the bar (in Poncho's)
> in The Right Stuff?

>

Yes, at the end of the bar I think actually (it's been a while).

Al Marshall "Real Radios Glow in the Dark" almarshall@acm.org
1+219.665.5072 Mirage Computers, Inc. pamars@mirage.angola.in.us

"The lyf so short, the craft so long to lerne." - Chaucer

From boatanchors@theporch.com Fri Feb 28 16:51:15 1997
From: "Andy Howard, WA4KCY" <sweetbay@compuserve.com>
Subject: BC-344 Front Panel Parts
Message-ID: <199702281456_MC2-11E5-6ABA@compuserve.com>

Hello fellow BA enthusiasts,

In an attempt to restore a BC-344 receiver I find that I need some front panel parts. I need 4 of the locks (outside round nut and stud that hold the radio in the case) and 3 of the phone plugs and covers. If anyone has a junker with these parts and would be willing to remove and send them to me I will gladly repay with cash or trade. These parts are the same on the BC-344, BC-342, etc.

Thanks and 73,

~~~~~  
Andrew E. (Andy) Howard, Sr., WA4KCY  
105 Sweet Bay Lane  
Carrollton, Georgia 30116-8519  
Telephone 770-832-0202  
Southeastern Division Director, AM International  
sweetbay@compuserve.com  
wa4kcy@usa.net   wa4kcy@juno.com   wa4kcy@qsl.net  
Vintage Radio Home Page Address:  
<http://ourworld.compuserve.com/homepages/sweetbay>  
     <><

~~~~~  
"Our Constitution was made for a moral and religious people.
It is wholly inadequate for the government of any other."

John Adams-1798

~~~~~

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997  
From: Nick England <nick@cs.unc.edu>  
Subject: Boatanchor spotted in Star Wars ??  
Message-ID: <199702272101.QAA20326@altair.cs.unc.edu>

Just went to see the re-issued "Star Wars" last night. It looks a lot better on the BIG theatre screen.  
Tried to pay attention to background details just for fun - have you seen the guy in the bar scene wearing a NASA-style space suit ?

Anyway, when R2-D2 gets sucked up into the big transporter by the Jawa used robot salesman, in the first interior shot: Amongst all the robot debris, in the foreground, lower right, I thought I saw an ARC-5 transmitter chassis ??

Part of the tractor beam mechanism that Obi-Wan shuts down inside the Death Star has aluminum heat sinks with TO-3 transistor mounting holes.

I think the droid with a Shure 555 microphone casing for a snout doesn't show up until the next movie..

May the Thermionic Force be with you,  
Nick KD4CPL

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997  
From: MODSTEPH@ACS.EKU.EDU  
Subject: Re: Boatanchors spotted in Star Wars?  
Message-ID: <01IFXDWIZOK0015XJU@ACS.EKU.EDU>

>>>

I think the droid with a Shure 555 microphone casing for a snout doesn't show up until the next movie..

<<<

Right! It is the physician droid - see him early and late in the movie "The Empire Strikes Back."

73, Al N5AIT  
modsteph@acs.eku.edu



From boatanchors@theporch.com Fri Feb 28 16:51:15 1997  
From: "Frank Scutch-EFS003" <Frank\_Scutch-EFS003@email.mot.com>  
Subject: CE 100V/600L Restoration  
Message-ID: <Macintosh \*/PRMD=MOT/ADMD=MOT/C=US/@MHS>

Greetings:

Like many of you fellas, I work on projects according to season and my 100V/600L winter project is finally completed. I thought I would send in a post about my restoration.

A very belated thank you to Bill Sorsby, N5BU and Jim Garland, W8ZR for answering many of my stupid questions over the past several months. I become a little more competent after each of these projects but doubt I'll ever reach their level of understanding.

100V - S/N E91

I first saw this radio at a local ham store here in Ft. Lauderdale on consignment. It was on the floor covered by some books and other equipment.

It was not the kind of project I was looking for particularly in view of the condition of the radio. Although it looked intact, it had a nearly seized pto, thick layer of oil inside the chassis, there was even a large 2 inch hole bored in the lower side of the cabinet. How would I tackle that? I had been looking for a transmitter for my 75A4 but convinced myself this wasn't it and moved on.

During my visits to the store over the next several months.. there it was... week after week...staring back at me with that CRT. It reminded me of a Twilight Zone episode. Each week I was always suprised no one bought it. Eventually, I started feeling sorry for the radio sitting on the floor all by itself. Before I knew it I was justifying to myself that I could fix it.

To make a long story short, I managed to get the big price tag cut over half and finally decided to give it a go. It took two of us to get the monster in the trunk and it was mine.

Over the past several months, I've Q-tipped everything. Obviously, some genius applied oil to the fans while they were running. It was everywhere - underneath the chassis and even within the plug-in modules. After a lengthy cleanup it was time to tackle the pto problem. This required a complete disassembly of the drive mechanism, much more so than the lubrication method discussed in ER's Petrich article. Within the drive cylinder are two concentric disks that are fixed about the drive shaft and separated by a heavy spring. Once open, it wasn't hard to free the shaft up with citrus solution. I won't get into detail here, only to say that I wouldn't recommend opening up the cylinder unless required. It's nearly impossible

to get back together. In my case I had no choice.

I also performed all the K3ICH mods published in ER #88. All these were straight forward except that it's important to note that a conventional 1uF cap should be used on pin 6 of the PS-2 module rather than an electrolytic. I made this mistake only to find out that the electrolytic had just enough leakage to negate the effect of using the capacitor in first place. If it weren't for Bill Sorsby filling me in, I still would be working on that problem.

If anyone has kept the trilogy of 100V posts, these are truly excellent to help with any 100V restoration. As Jim Garland noted in his post, I also had some problems with my first and second mixers. These problems were related to leaky caps used with the bias for the 12BY7's. Also, the second mixer had no plate voltage resulting from an open wire to the bandswitch. There were also some problems with the 2 watt power resistors forming the divider in the power supply. These really looked burned and I replaced this with 3 watt'ers which seemed to put the mid-range voltages back in order. As far as oscillator stability, I've also noticed that replacing the 6U8 with 6EA8 in the pto had really made a difference. Initially, the pto was jumping around maybe 500 cycles after warm-up. I haven't had to swap 0A2 yet to find a suitable replacement but suppose that's the next step.

One irritating problem I had that I've never seen discussed is "heat". No matter the coil setting, I was continually losing coupling after about a 20 minute warm-up on 20 meters between the HF oscillator and the second mixer. After replacing all the caps in the xtal oscillator plate coil can, I've come to the conclusion the problem is with the coil itself. I'm not an expert on this, but somehow the heat is altering the geometry of the coil or the slug to the extent the Q is changed - decoupling the oscillator. I wasn't able to fix this problem but merely masked it using an additional exhaust fan inside the chassis on the right i.e. mixer side. I've found keeping the components cool makes all the difference and I don't seem to have this problem any longer.

Finally, I sent the cabinet to a local body shop where a welder did a great job of inserting a plug of the same gauge steel into the gapping wound. It cost me \$35 but looks great and if the small bead were ground down with a Dremel tool, I don't think someone could tell there was ever a hole.

After the test run, I did an alignment only to find out that the broadband coils were already so close to spec that it wasn't really necessary. I did notice from notes in the manual, the prior owner used this radio heavily in the RTTY modes in the early 70's. This would account for the 6550's being a little soft however 90 watts will more than do the job. My HO-10 isn't accurate enough to tell but looks like I have in the neighborhood of -30dB+ opposite sideband suppression.

CE 600L - S/N 56259

I acquired this amp from a fellow a few hours North of here. Unlike the 100V, it was in very nice shape. I've replaced the selenium bias rectifiers, and modified the 110 AC socket on the rear so it was truly worked as a switched 110 socket with the plate voltage switch. This is all documented in the 600L ER article. All that was required from me was to clean out the dust bunnies and everything else looked good. Talk about heavy! The HV xformer on the rear has to hold some record for size/weight ratio. I go about 6'3 200lbs and still have to wheel both these rigs around the shack on an old TV stand.

My 600L has the ss-rectifier replacements. I think I might like to put the 866's back not only not for nostalgia but to take advantage of their purple glow. I would have done this while I had it open but I didn't have any ceramic plate caps on-hand.

#### Operation

I've got the 600L stacked on the 100V and it's impressive looking heavy metal to say the least. It looks great with the 75A4. I'm using a Johnson T/R switch and also built a relay box for the 600L using the Radio Shack 110vac/10A DPDT relay. I can now easily switch the amp in and out of line using the switched AC socket without a problem. The Radio Shack relay works very well and I've run 300+ watts of RF through it w/o incident. I've had my share of problems with Dow Key relays and if this continues to work, I think I'll build another one of these.

I happened to run into Gary, K8BKB running his Golddust twins on 20 meters last weekend. Obviously, his KWS-1 sounded great and he gave me equally favorable reports from the 100V. I noticed that I can drive the 600L to full output (approx. 300 watts peak) with only about 9 watts of drive. This no tune stuff is pretty neat. It's kind of 50's style "plug and play" like one of those new "import" radios

Now I'd love to hear some of the other CE equipment out there. If any of you would like to meet up on 20 meters some weekend afternoon - it would be my pleasure. I'd like to hear what another 100V or 200V sounds like.

73,

Frank, W4FMS  
efs003@email.mot.com

From boatanchors@theporch.com Fri Feb 28 16:51:15 1997  
From: Greg Roecker <roecker.greg@ist.mds.lmco.com>  
Subject: RE: CE 100V/600L Restoration

Message-ID: <Chameleon.857157267.greg@roeckerpc.ist.mds.lmco.com>

>Now I'd love to hear some of the other CE equipment out there.

If any of

>you would like to meet up on 20 meters some weekend afternoon

- it would be

>my pleasure. I'd like to hear what another 100V or 200V  
sounds like.

>

>73,

>

>Frank, W4FMS

>efs003@email.mot.com

-----End of Original Message-----

Frank,

How about Sunday around 3:00 EST . . . we could slide down from  
the vintage SSB net on 14.293 . . . I'd like to hear your 100V,  
and would like a report on my 200V.

73,

Greg / N40SJ

-----  
Greg Roecker

E-mail: roecker.greg@ist.mds.lmco.com

Voice: 770.698.5226

Fax: 770.698.5220

From boatanchors@theporch.com Fri Feb 28 16:51:15 1997

From: bill@skeeter.frco.com (William Hawkins)

Subject: Classic tube audio, anyone?

Message-ID: <9702281805.AA23292@skeeter.bvc.frco.com>

Reading Langham reminded me how much I liked working on audio in  
the 50s and 60s. Today's oxygen-free copper and golden ear (and  
checkbook) crowd have turned me off on the subject. But I wonder  
how many of the people reading this list would be interested in a  
Classic Audio list? I'm assuming that if a tube audio list exists  
today, it is dominated by folks who don't know a space charge from  
a parking space. Just looking for level of interest, now. Topics  
would be anything audio before, say, 1970. Could include the  
early solid state stuff.

Please reply to bill@skeeter.frco.com, because this is not the topic  
of Jack's boatanchor list.

Anybody got any 6A5G's?

Regards,

Bill Hawkins bill@skeeter.frco.com 612 895-2085

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997

From: Glen Galati <eldim@worldnet.att.net>

Subject: Re:Collins filter info

Message-ID: <19970228070057.AAA26140@GLENGALA>

Hello Collins BA's, Responding to Jack Iverson's, K0EWU inquiry on Collins filters. Information on Filter Type F250 A 20, CPN 526-9012-00X. Specifications are: 250Khz. Center Frequency; Rated @ 2Khz 6db minimum Bandwidth at 2db. Maximum Bandwidth 4.3 Khz at 50db. The X denotes that the number 9 did not appear in the engineering records released 20 May 82 by Rockwell. If you need further info, Ph Nr. (714) 540-7640 for Rockwell Filter Div. may still be correct.

73, Glen, KA7BOJ, Tacoma,WA.

eldim@worldnet.att.net

From boatanchors@theporch.com Fri Feb 28 16:51:15 1997

From: "David L. Thompson" <thompson@mindspring.com>

Subject: Cosmophone at Associated Radio

Message-ID: <1.5.4.16.19970228143700.32c7e222@pop.mindspring.com>

Mike K0AZ mentioned a Cosmophone 35 at Associated Radio a few days ago. I sent an E-mail to them (one of many they tell me) asking about price/condition. The response is its not for sale. Associated has a museum and the Cosmo is part of that...however they invite all BAers to take a look when at Associated Radio (Overland Park, Kansas).

They have a number of interesting items in the museum plus one of the biggest used equipment departments in ham radio (that includes the RME 6900 Mike liked).

Well I guess those who don't have a Cosmo will keep looking...or ask Marty to put it in his will...

73, Dave K4JRB

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997  
From: km1h@juno.com  
Subject: Re: DVM's etc  
Message-ID: <19970227.172357.9887.91.km1h@juno.com>

Hi George...and great info. Ive a few questions and comments...in no particular order.

That Wavetek LM22A was the show price! NIB and was listed \$189. On Friday they were selling for \$149 and by Saturday afternoon it was \$125. Wavetek had a factory rep at the distributors booth along with a lot of their very expensive test equipment. It chews up 9V batteries but I buy them by the case at Sams anyway....dummy (me) sometimes forget to turn it off.

Ive a very dead Fluke 77...no fault of their own....just tried to measure a no-no. Can these be repaired at a reasonable price or should I sell to a CBer at the next fleamarket?

I've also a pair of Beckman 310 DVM's which did not survive falls off the bench...much less the tower. They have been a box for maybe 8 years ever since someone at the plant told me "\$85 plus parts to fix...thats our flat rate". Thats when the imports became attractive.

Dont laugh too hard but I actually drove over a 260! Was working on an alternator problem and forgot it was on the ground after putting all the tools, etc away.

For references here I have an old TEK 130 LC meter (amazingly accurate), a GR 1608 Impedence Bridge (many can attest to this BA) and a almost modern HP4271B 1MHz digital LCR meter ( got at an auction...dont ask how little).

I was pleased to read your evaluation of the Autek RF-1.....after dissapointing experiences with MFJ junk I was reluctant to even look at the Autek.

George, I think we think alike...I'll take it a step further beyond skeptic....a bit cynical at times too...wouldnt you say!

73....Carl KM1H

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997  
From: Tom Norris <badger@telalink.net>  
Subject: Re: DVM's etc  
Message-ID: <3.0.1.32.19970227173158.00743858@telalink.net>

At 04:48 PM 2/27/97 -0600, you wrote:

>Ive a very dead Fluke 77...no fault of their own....just tried to measure  
>a no-no. Can these be repaired at a reasonable price or should I sell to  
>a CBer at the next fleamarket?

Don't throw it away! I love my 77, and have only killed once. (see below)  
Repair is reasonable from Fluke on all their equipment. The 77 meter  
flat rate was \$60-65 last time I sent one in. A lot less than a new meter --  
and they replace the display every time, the case and other parts if they  
are rough -- basically you get a brand new meter back. I have sent in 2-3\*  
ex-77's that were unrecognizable masses of chewed up or charred plastic,  
and they still only charged \$60-65. Been almost a year since I have had  
one repaired. Beats replacing them at \$179 or so, or whatever the going  
rate is for a 77. Surprisingly they still make them! I have had one  
personally  
since '84 - dropped it off towers and buildings, only had to send it in once  
when I accidently put it across 10KV in a Harris FM-5 transmitter.....  
(oops!)

\*( BTW, I sent them in for work -- I didnt personally destroy that many  
meters!)

>I've also a pair of Beckman 310 DVM's which did not survive falls off the  
>bench...much less the tower. They have been a box for maybe 8 years ever  
>since someone at the plant told me "\$85 plus parts to fix...thats our  
>flat rate". Thats when the imports became attractive.  
Never liked them for the same reason --- look at them funny and they break.  
I know guys that love theirs though.

>Dont laugh too hard but I actually drove over a 260! Was working on an  
>alternator problem and forgot it was on the ground after putting all the  
>tools, etc away.

I seem to break every 260 I have ever used.....

>I was pleased to read your evaluation of the Auttek RF-1.....after  
>dissapointing experiences with MFJ junk I was reluctant to even look at  
>the Auttek.

George did give it a good review - may be worth looking at for the shack  
or even the shop.

>George, I think we think alike...I'll take it a step further beyond  
>skeptic....a bit cynical at times too...wouldnt you say!

>

>73....Carl      KM1H

Also worth mentioning are the TS-352 or the TS-505. Big, heavy, but decent VOMs. Not nearly as small as a Simpson 260 though...

-----

Please visit The Mil List for info on military communications gear:  
[HTTP://telalink.net/~badger/millist/index.html](http://telalink.net/~badger/millist/index.html)

\* over 5800 hits since October 96\*

ANY and ALL Contributions Welcome.

\*\*\*\*\*

Tom Norris KA4RKT

badger@telalink.net                      Nashville, Tennessee, USA

thermionic@techie.com

-----

\*\*\*\*\*

From boatanchors@theporch.com   Fri Feb 28 16:51:15 1997

From: "Mark, K5AM" <k5am@lascruces.com>

Subject: DX-100B Modulation Problem

Message-ID: <1.5.4.32.19970228201447.0066ff2c@lascruces.com>

boatanchors@theporch.com              97/2/28

DX-100B Modulation Problem

Last month I found a Heath DX-100B. After two weeks on the bench, it works great - except for one problem.

There is some distortion in the modulation, as observed with a scope on the RF output. The test set-up seems okay, as my Ranger tests out fine. But the DX-100B shows distortion in the envelope waveform.

(a) The sine wave is bumpy.

(b) There is more negative than positive swing.

It is the same for any modulating frequency. The modulator is flat, 300-3000. It sounds fine with a taped voice, a dummy load and a monitor receiver, but looks bad on the scope.

The waveforms at the driver plate and the modulator grids are fine. The tubes test good and all measured parameters are okay. (The bias was a bit low. I



raised it - no improvement.) Reducing the PA screen resistor, hoping to increase the modulation to the screens, did not help.

1. Is this problem normal? Is it common to all DX-100 and 100B?
2. How can I tell if the problem is in the modulation transformer?
3. Does the 100 use the same modulation transformer as the 100B?
4. Peter Dahl sells a "heavy duty" modulation transformer. Has anyone tried it? Is it better?
5. The waveform shows roughly one wiggle in each 90 degree interval. Does this mean second harmonic distortion?

---

73,

Mark, K5AM                      DM62ni

Mark Mandelkern  
Las Cruces, New Mexico, USA  
k5am@lascruces.com

From boatanchors@theporch.com   Fri Feb 28 16:51:15 1997  
From: heikud@directcon.net (Dennis Heikura)  
Subject: DX-60 Manual  
Message-ID: <199702282123.NAA09265@zeus.directcon.net>

Hi Gang, Does anybody have a "plain-jane" Heath DX-60 Manual thay would copy for me? Usual ammenities apply.

73==Denny  
WB7EGG

From boatanchors@theporch.com   Fri Feb 28 09:20:18 1997  
From: "Lawrence R. Ware" <lrware@pipeline.com>  
Subject: firebottle funzies -or- tubes for free!

Message-ID: <3.0.16.19970227202047.3357e5da@pop.pipeline.com>

Good evening firebottle fans,  
Tonight for your edification and amusement I present:  
Larry's Latest Giveaway -or- Stuff for Free part 23.  
(made up the part 23, done this enough times to lose count anyway :-)

Here's the most important rule: I *would* like shipping  
reimbursed, lately some of you have been forgetting that the USPS  
requires real money, (That's the government for you... always expect  
you to pay first, get something later... :-)  
Bought a large lot of tubes at an estate sale a while back, these are  
some of the extras, some NIB, some pulls. All will be tested on my  
B&K 707 before shipment.

Anyway without further ado, (drum roll please...)  
The List:

6 each 6W4 (metal)  
4 each 6AC7 (metal)  
6 each 6SN7 (some metal, some GT)  
4 each 6SA7 (metal)  
6 each 6SQ7 (metal)  
8 each 6N7 (some RCA metal painted fire engine red, others just black)  
4 each 6H6 (metal)

Most of you have seen these many times, but for the newer guys:  
The "Rules of Ware"

You pay the shipping.  
If I get multiple requests, (yea, right. I could give away 1000  
tubes to this bunch... :-)

Winners will be determined by:

- 1) Tell me why you need/want them, points awarded for:
  - a) Needing them to complete a project or repair.
  - b) It's for someone your "Elmer-ing."
  - c) \*Making up an outrageous story of what you will use them for. :-)
    - \* For item "c" the taller and more unbelievable the better...  
Hamsters, Lawyers, and space alien Hamster lawyers  
in Newark who "phone home" are good for the  
tie breaker round this time... :-)
- 2) Bonus points to anyone who has sent me a manual, helped  
me find a part, or provided advice, (good or bad, it's the effort that  
counts. :-) or sold me something at a reasonable price.

3) Bonus points to everyone who posts thoughtful technical messages to the BA list.

Winners will be determined any darn way I feel like.  
Judges decision is final. (Although open to bribes :-)

-Larry Ware

# Larry's Home for Wayward Test Equipment & Old Radios (tm)  
# Let your equipment retire in sunny central Florida.  
# Intensive Care, Private Bench Space, Frequent Use,  
# Factory trained HP, Tek & Fluke Surgeon on staff.  
# Good Home Guaranteed or double your junk back!  
# lrware@pipeline.com - Orlando, FL -

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997  
From: ecuevas@juno.com (Edwin G Cuevas Jr.)  
Subject: Frequency Counter  
Message-ID: <19970228.002713.3799.0.ecuevas@juno.com>

Hi Everyone,  
I recently purchased a URM-25F signal generator. I'd like to find a frequency counter to use with it for aligning my Hammarlund HQ170A and 180A receivers. I'm sure there are many good counters available but I am not familiar with them. Anyone have a favorite to recommend that is not too expensive, under \$100. I'd like to know what model number(s) to look for that I can use with this signal generator. The URM-25 appears to be a good choice for a generator, from what I have seen here at the BAs, but I haven't seen anything posted on frequency counters. Thanx in advance! Ed N5BFW

From boatanchors@theporch.com Fri Feb 28 16:51:15 1997  
From: "L. Mark Pilant - MS:ZK03-4/Y02 DTN:381-1529" <pilant@seesaw.ENET.dec.com>  
Subject: RE: Frequency Counter  
Message-ID: <9702281519.AA14316@us2rmc.zko.dec.com>

Ed, if memory serves me correctly the URM-25 is covers from about 50 Khz to 60+Mhz. (I have an HP-606B and 608E, so I haven't looked too hard at the URM's.) From what I understand it can be a very good piece.

As for frequency counters, I expect ont of the most popular (possibly "best")

would be the HP-5245. This uses Nixie tubes for the readout, and it is certainly old enough to be considered a BA. The mainframe is good out to about 55Mhz (spec is 50Mhz I believe). There are plugins available to get it to go out to 18Ghz (5255 plugin). You can probably pick one up for about \$50 or so; probably with the usual 5253 (500Mhz) plugin. I have one with the 5254 (1.3Ghz) plugin I recently picked up for \$30. The plugins alone are fairly hard to find, so you may want to look for a counter with the plugin(s) you want; rather than \*try\* to find them later.

I also have an AN-207/U with the 500Mhz plugin. This is an ex-Navy unit comparable to the HP. However, without the plugin, is it goo to about 100Mhz. I paid \$75 for this one at a hamfest, working, with original manuals.

73

- Mark N1VQW

From boatanchors@theporch.com Fri Feb 28 16:51:15 1997  
From: "L. Mark Pilant - MS:ZK03-4/Y02 DTN:381-1529" <pilant@seesaw.ENET.dec.com>  
Subject: RE: Frequency Counter  
Message-ID: <9702281611.AA18580@us2rmc.zko.dec.com>

Oops, the HP-5254 frequency counter plugin has a 3Ghz upper limit; not 1.3Ghz.

73

- Mark N1VQW

From boatanchors@theporch.com Fri Feb 28 16:51:15 1997  
From: Bob Reynolds <breynd@sigg.com>  
Subject: FS 10B  
Message-ID: <97Feb28.152618cst.19659@firewall.sigg.com>

10B with 20 meter coils, worked last time I tried it on CW. Did not try SSB,AM, or FM. Several extra coils with upper part of form broken off so I don't know what bands they are for, coils are OK. This has the front pannel for 19' rack mount. One corner bent but straightened with slight paint chipped around screw head. Dirty but should clean up easily. Manual if I can find it. \$40 + ship I will not be back til March 4th if anyone wants it.

73, Red K5VOL  
(Lake Zurich, Il area - zip 60047 nw of chicago

breynd@sigg.com

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997  
From: jkh@lexis-nexis.com (John Heck)  
Subject: FS: Barker&Williamson Distortion Meter  
Message-ID: <9702272127.AA04296@beans.lexis-nexis.com>

Folks,

I have a B&W Model 400 Distortion Meter for sale. To quote from the Manual:

"The B&W Model 400 Distortion Meter consists of a variable frequency Wien bridge included in a negative feed back amplifier, a calibrated attenuator and a high gain vacuum tube voltmeter. The method of measurement consists of suppressing the fundamental and then measuring the R.M.S. amplitude of all the unwanted frequencies(including noise) as a percentage of the R.M.S. value of the fundamental."

- o The frequency range
  - As a distortion meter - fundamentals from 30 to 15,000 CPS,  
measuring harmonics to 45,000 CPS
  - As voltmeter and D.B. meter - 30 to 45,000 CPS
- o Sensitivity
  - Input voltages between .3 and 30 volts
- o Ranges
  - Distortion measurements
  - 20 to 100%, 5 to 30%, 2 to 10%, .5 to 3%, and .2 to 1%

This meter may be used to check distortion of radio transmitting equipment by use of a linear detector. It may be used as an audio frequency(30 to 45K) VTVM for voltages between .0002 and .3 with +/- 5% accuracy(50,000 ohm input impedance). It may be used as a single frequency filter or a single frequency amplifier. It may be connected to an oscilloscope. It will measure noise in radio transmitters, A.F amplifiers, telephone equipment, studio and line equipment, etc.

I'm selling this 'as is'. It is in good cosmetic condition, only having a minor ding on the back edge of the case. The front panel is excellent. It has not been abused, and it is clean. I assume it is in working order or may be put in working order with a minimum of effort. I have \*two\* original manuals for it as well. It does not have a power cord. It was quite frayed and I cut it off.

I will sell it to the best offer or will trade it for whatever. I am looking for Novice crystals, 20's/30's radio magazines, manuals, books. Would be interested in a project receiver, the older the better. Make me an offer.

Regards,

John Heck, KC8ETS  
1009 Donson Drive  
Dayton, Ohio 45429  
(513)865-7036(work)  
jkh@lexis-nexis.com

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997  
From: Robert Fowle <hammarlund@jacksonmi.com>  
Subject: FS: Central Electronics 20A..proceeds go to local club  
Message-ID: <331603D0.626D@jacksonmi.com>

Hi Gang

a friend here in one of the local clubs, just dropped off  
this unit. it belonged to a 80 year old MARS operator here..who used  
it..  
my friend knows i'm into this tube stuff..and ask me to sell it for him  
with proceeds going to the Two Meter Plus club...  
so..the cabinet is in nice shape..unit needs to be cleaned up..but is  
complete...taking best offer plus shipping...oh..it has a manual copy  
with it...will take offers thru Monday and tuesday will let the lucky  
person know...  
thank you  
Robert

--

\*\*\*\* Visit my Web Page.....\*\*\*\*

=====]-[->

Robert Fowle KC8DBC  
1215 Winifred  
Jackson, Mich. 49202-1946  
Ph. 517-789-6721  
E-mail: hammarlund@jacksonmi.com  
My Web Page: <http://www.jacksonmi.com/hammarlund>  
BOATANCHORS Conference  
talk, buy-sell-trade all in one place!  
Moderator: Robert Fowle  
at: <http://www.inetnc.com/hamchat/>

From boatanchors@theporch.com Fri Feb 28 16:51:15 1997  
From: JONWEINER@aol.com  
Subject: FS: Globe Scout 65A  
Message-ID: <970228145607\_-1808699955@emout16.mail.aol.com>

I have an early WRL Globe Scout model 65A for sale. Slight surface rust on  
panel. No dents or dings. Covers 160 thru 10 meters at 65 watts CW and 50  
watts phone. Complete with original manual. \$85 plus shipping from  
Greenville, SC. Jon K1VVC

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997  
From: "Lawrence R. Ware" <lrware@pipeline.com>  
Subject: got a spare National buddy?  
Message-ID: <3.0.16.19970227222219.0d474f84@pop.pipeline.com>

Evening gents,  
A short reminder: I'm always looking for another National NC-100/101, including variants like RAO's, RCL's, RCP's, RBL's, you get the idea... When you are ready to part with whatever you have, drop me a line. I'm not a dealer, I \*keep\* them, fix them and listen to them. Thanks for your time.  
-Larry Ware

# Larry's Home for Wayward Test Equipment & Old Radios (tm)  
# Let your equipment retire in sunny central Florida.  
# Intensive Care, Private Bench Space, Frequent Use,  
# Factory trained HP, Tek & Fluke Surgeon on staff.  
# Good Home Guaranteed or double your junk back!  
# lrware@pipeline.com - Orlando, FL -

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997  
From: JOHN\_SEHRING.parti@ecunet.org  
Subject: HALLI SX-100 VS. SX-101  
Message-ID: <9702280008.aa26961@pcusa01.ecunet.org>

The circuitry in the Halli SX-100 and SX-101 (not the -101A) are almost exactly the same except for the 1st mixer & HF oscillator.

The -101 uses a 6BY6 mixer & 1/2 of a 12AU7 for HF oscillator. This mixer tube can be more resistant to overload than the 6AU6/6C4 combo used in the -100. Also, the HF oscillator pulling on 10 m in the -100 is not noticable in the -101.

Of course the -101 is on a much bigger & heavier chassis. That improves mechanical stability. The -101 has better electrical stability as it covers only the ham bands & it's easier to optimize oscillator drift over limited freqs.

I find the basic performance (sensitivity, resistance to overload, selectivity) of the SX-100 and -101 (and for that matter the -101A) to be the same.

-John Sehring (02/26/97 2:47 am MT @Baker, Montana) UCC wb2eqg

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997  
From: "Walter Fairclough" <wfairclo@netcom.ca>  
Subject: Hallicrafters Parts Hunt  
Message-ID: <199702272155.QAA18295@tor-srs1.netcom.ca>

Still trying to locate Hallicrafters parts for SX-71 and SX-43 receivers.  
Some say the hunt is more fun than the kill but I'm starting to wonder.  
Need the  
following items:

SX-71 - Need cabinet, Reception, Main and Bandsread tuning knobs.

-----  
SX-43 - Need S meter, Selectivity knob, Main dial cover, Bandsread dial  
and cover, 500 ohms 1 watt S meter control pot Hallicrafters Part # 251569  
or IRC Part # W-500 or Clarostat Part # 43-500, and a power transformer  
Hallicrafters Part # 52C143 or Stancor Part # P-6313 or Merit Part #  
P-2953.  
-----

I will consider junkers if they contain the above items.

Thanks for reading.

Walter

Walter Fairclough  
Manotick, Ontario  
wfairclo@netcom.ca

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997  
From: Nick England <nick@cs.unc.edu>  
Subject: ID help needed  
Message-ID: <199702281443.JAA22877@altair.cs.unc.edu>

saw this interesting pleas for help - respond to wbfim@sound.net  
and NOT to me.

=====



>From: KEOQM

I received a what I beleive to be a National receiver from a freind. It has the name plate missing. It has 4 IF transformers, 1 fix tune channel, covers the bands 200-400 kcs, 1.3-2.8 mhc, 2.7-6.4 mhc, 6.8-14.4 mhc, and 13.5-30.00 mhz.

It has many National parts in it. The frequency selection is by shifting a subcassic from left to right under the tuning capacitor.

A true boatachor who has lost it's identy and could use your help to get its identy back.

Thanks

Dennis

KEOQM

<wbfim@sound.net>

=====

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997

From: Eugene Rippen <soundval@foothill.net>

Subject: New Old Book List

Message-ID: <33165C41.3FD0@foothill.net>

All prior list of books for sale from me are cancelled. Most of the books were sold.

The few that were not sold are on this new list..

Add \$2 for shipping one book US 48. Add \$3 total to ship 2 or more books.

ìTHE RADIO AMATEURís HANDBOOKî 53rd Ed. 1976 ARRL f-g \$9.00

ìTHE RADIO AMATEURís HANDBOOKî 55th Ed. 1978 ARRL g \$9.00

6 Volumes ìMOST-OFTEN-NEEDED (year) TELEVISION SERVICING

INFORMATIONî Beginning with year 1948 and through 1953.

from Supreme Publications. \$42 for the six.

ìRADIO PHYSICS COURSEî 2nd Ed. Ghirardi, 1932 g \$13.00

ìMATHEMATICS FOR ELECTRICIANS AND RADIOMENî Cooke g \$2.00

ìANALYTIC GEOMETRY AND CALCULUSî Morris and Brown 1937 \$3.00

ìQUANTUM MECHANICSî Schiff 1st Ed. 1949 g \$3.00

ìHINTS AND KINKS FOR THE RADIO AMATEURî Volume 5,

ARRL 1954, f-g \$5.00

ìHINTS AND KINKS FOR THE RADIO AMATEURî Volume 6,

ARRL 1959, f \$4.50

ìTHE RADIO AMATEURís LICENSE MANUALî 1964 ARRL, g \$2.00

ìLEARNING THE RADIOTELEGRAPH CODEî 1961 ARRL, f \$1.00

ìSINGLE SIDEBAND FOR THE RADIO AMATEURî 5th Ed. ARRL

1970 g-vg \$4.00

iSINGLE SIDEBAND FOR THE RADIO AMATEURî 4th Ed.. ARRL  
 1965 vg \$5.00  
 iSINGLE SIDEBAND FOR THE RADIO AMATEURî 4th Ed. ARRL  
 1965 p \$2.00.  
 iFM AND REPEATERS FOR THE RADIO AMATEURî 1st Ed. ARRL  
 1972 g-vg \$4.00  
 iUNDERSTANDING AMATEUR RADIOî 1st Ed. ARRL, 1963 f \$4.00  
 iCOMMAND SETSî by Editors of CQ, 1957, (Covers converting and  
 modifying Command sets) 136 Pages \$10.00  
 iSURPLUS SCHEMATIC HANDBOOKî By Kenneth Grayson, 1960  
 112 pages 8 1/2 by 11 inches. About 120 Schematics, f \$11.00

If you get no reply within about 24 hours, you should presume someone else  
 bought first. Sorry to be this way but I get a lot of responses on each of these  
 book lists. Please keep a copy of this with my address, so that I don't have to  
 send it again, if you decide to buy.

Eugene Rippen, 105 Donnington, Auburn, CA 95603 No Phone calls please.  
 Please use Email.

From boatanchors@theporch.com Fri Feb 28 16:51:15 1997  
 From: caldwelb@ccmail.orst.edu (Bruce A. Caldwell)  
 Subject: Pacific NW swaps  
 Message-ID: <00146032.3116@ccmail.orst.edu>

HI -- I picked up a hand-full of flyers at the recent Rickreal swap and  
 wanted you to know about some of the smaller, but bountiful, swaps in  
 the Northwest.

26 Apr - Clark County ARC, American Legion Post 176  
 Vancouver WA,  
 (360)-896-8909

26 Apr - Southern Oregon Regional, Umpqua Valley ARC  
 Douglas Co Fairgrounds (I-5, exit 123)  
 Roseburg, OR  
 (541) 673-1310 w5pii@juno.com

10 May - NW Vintage Radio Soc. & Portland ARC  
 Hillsboro Armory (Washington County Fairgrounds)  
 Hillsboro, OR  
 (503) 786-5142 kirk.c.smith@tek.com

17,18 May - Washington State Convention, Yakima  
 Selah Middle School (I-82, exit 26)  
 Selah, WA  
<http://eagle.ykm.com/~w7aq/hamfest.html>

- 19 July - Southern Oregon Coast, Coos County ARC  
North Bend Jr High School  
North Bend, OR  
(541) 347-7019
- 10 Aug - Central Oregon DX Club  
Deschutes County Fairgrounds  
Redmond, OR  
(541) 389-6258
- 16 Aug - Lower Columbia AR Assoc  
Cowlitz County Expo Center (fairgrounds)  
Longview, WA  
(360) 435-6076 KB7ADO@AOL.com

Good hunting,

Bruce Caldwell  
caldwelb@ccmail.orst.edu

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997  
From: "JOSE V.GAVILA (EB5AGV)" <eb5agv@ctv.es>  
Subject: R-390A Navships manual: info?  
Message-ID: <199702272127.WAA29297@sandra.ctv.es>

Hello!

Don't worry, I'm not going to talk about the SP-600 ;-) !

I have the opportunity to buy an original manual for the R-390A:

Navships 0967-063-2010  
Technical Manual  
Operations, Maintenance and  
Installation Instructions  
with parts list  
Radio Receiver R-390a/URR  
dated April 15, 1970

I want to know how it compares to the TM depot manual (number of sheets, schematics, alignment procedure, ... ). Any experience with this manual will be welcomed!.

THANKS!

JOSE

-----  
73 JOSE V. GAVILA (EB5AGV / EC5AAU)  
46910 Benetusser - Valencia (IM99TK)  
SPAIN  
\*\*\* PLEASE, VISIT MY HOME PAGE AT : \*\*\*  
<http://www.geocities.com/SiliconValley/6992>  
e-mail: eb5agv@ctv.es & eb5agv@amsat.org  
-----

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997  
From: eb5agv@ctv.es  
Subject: R-390A Navships manual: info?  
Message-ID: <1.5.4.16.19970228061850.23f7b9d8@192.168.0.1>

Hello!

(sorry if message duplicated; my e-mail program crashed when sending)

Don't worry, I'm not going to talk about the SP-600 ;-) !

I have the opportunity to buy an original manual for the R-390A:

Navships 0967-063-2010  
Technical Manual  
Operations, Maintenance and  
Installation Instructions  
with parts list  
Radio Receiver R-390a/URR  
dated April 15, 1970

I want to know how it compares to the TM depot manual (number of sheets, schematics, alignment procedure, ... ). Any experience with this manual will be welcomed!.

THANKS!

JOSE

-----  
73 JOSE V. GAVILA (EB5AGV / EC5AAU)  
46910 Benetusser - Valencia (IM99TK)  
SPAIN

\*\*\* PLEASE, VISIT MY HOME PAGE AT : \*\*\*  
<http://www.geocities.com/SiliconValley/6992>  
e-mail: eb5agv@ctv.es & eb5agv@amsat.org

-----

From boatanchors@theporch.com Fri Feb 28 16:51:15 1997  
From: jkh@lexis-nexis.com (John Heck)  
Subject: RCA WR99A???  
Message-ID: <9702281545.AA06547@beans.lexis-nexis.com>

Folks,  
I picked up an RCA WR99A Crystal Calibrated Marker Generator. Before I tear into this thing for parts, is there any good BA use for it? It's in pretty good shape and probably could be renovated, but lotsa good components too. Any opinions? Thanks.

Regards,  
John Heck, KC8ETS  
1009 Donson Drive  
Dayton, Ohio 45429  
(513)865-7036(work)  
jkh@lexis-nexis.com

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997  
From: tpl.dsc@discnet.com  
Subject: RT-91/ARC-2 power supply questions  
Message-ID: <9702280034.AA46894@sfm.discnet.com>

Hello

I am trying to build a power supply for the Collins auto tune ARC-2 transceiver. I need 260 vdc @ 125 ma and 500 vdc @ 325 ma in addition to the 26.5 vdc. The only voltage I'm having trouble with is the 500 volt. Currently I'm using a 470 vac transformer with a center tap rated at 220 ma. I feed the outputs to bridge circuits and filter with caps. I have another 36 vac transformer rated at 15 amps feeding the 26.5 volt input. I'm using a bridge circuit and 4 ohm resistor in series to get the voltage closer to 26.5. (that resistor sure gives off a lot of heat)

I'm not sure how close to the rated voltages of the missing dynamotor I need to be. Does anyone have a good power supply design, or a 500 volt transformer rated at 325 ma? Should I at least be able to receive with the power I'm supplying now? Thanks for any help you can give me.

Tom N9DVT

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997  
From: "Larry Bearse" <lbearse@mail1.nai.net>  
Subject: SB-220 Band mods?  
Message-ID: <199702280232.VAA23847@mail1.nai.net>

Recent acquisition of a SB-220 has jarred my memory a bit, but not enough.  
I seem to remember some mods somewhere for adding 6meters and maybe 160  
meters to the amp. Anyone know about these? Are there kits available?  
73.....Larry WA1LGQ

From boatanchors@theporch.com Fri Feb 28 16:51:15 1997  
From: km1h@juno.com  
Subject: Re: SB-220 Band mods?  
Message-ID: <19970228.120358.9191.3.km1h@juno.com>

I do stand alone 6M conversions Larry. Gut the amp and start over from  
scratch.

The 160M kit has been suspended due to lack of parts, cant get the  
bandswitches.

Private E Mail me for details.

73....Carl KM1H @ RadioKit

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997  
From: Conard Murray <ws4s@InfoAve.Net>  
Subject: SB-220 bandswitch wafer needed  
Message-ID: <2.2.32.19970227225735.0073f960@infoave.net>

Hi,  
I have a friend who needs the bandswitch wafer that selects the output tank  
coil setting from a Heath SB-200. Any leads welcomed.  
Thanks!  
de Conard WS4S

.....  
. Conard Murray WS4S Glowbugs listowner .  
. 217 Dyer Avenue ws4s@infoave.net .  
. Cookeville, TN 38501 615-526-4093 .  
. <>< Wise men still seek Him ><> .  
. QRP-L # 993 .  
.....

From boatanchors@theporch.com Fri Feb 28 16:51:15 1997  
From: "JOSE V.GAVILA (EB5AGV)" <eb5agv@ctv.es>  
Subject: SP-600-JX restoration, part four  
Message-ID: <199702281939.UAA09122@sandra.ctv.es>

Hi BA gang,

Did you think that thread was over ;-) ?...

SP-600-JX  
-----

Well, yesterday I did some more cosmetic work on the SP-600. The chassis is not too clean (has a kind of dark grey oxide, forming curious patterns) but, having looked at the receiver as it came, it is in best shape that I imagined. No serious rust anywhere. I cleaned it a bit (although previous owner did a complete cleaning and there was almost no dust left). One thing I always do in any BA is to clean the tubes (without erasing the fragile markings; I let this part as is)... I \_like\_ doing that!. The brightness of the tubes is a must for me (I know it does nothing with performance, but I like this shinning silver / transparent surfaces). This receiver, with its 20 tubes, has only two of them without shield, so visual effect is not too evident, but anyway I did (and enjoyed) it. Another application I found for the polishment paste I talked in first chapter, was the tube shields. They were full of small grey oxide spots and almost without bright... First, I toke a glass cleaner ('Cristasol', a very common product in Spain) and cleaned the shields. The result was good, but anyway I checked my trusty 'Titanlux' over the metal surfaces and... It worked!. The spots are not totally removed, but reduced in size a lot. And the shields are brighter and smoother now!.

Next step was to remove the upper turret cover... I was curious about the state of the rotating contacts, as in some message taken from the BA archives, somebody complained about broken flexible contacts. All of them were in good state, with no apparent sign of loosen strenght, and the turret was very clean. Good!. I enjoyed then two hours of SWL. This receiver really produces nice sound!. BBC news are delightful (and I practice a bit my english, hi!).

As the receiver now performs right, I plan to do a complete alignment in the future, when I get a sweep generator to align the IF stages (any one which needs a (good) home?). Anyway, I need to check some basic things, as the 'XTAL PHASING'... I'm not sure it works ok.

Some further findings about the receiver: this unih is 'black-beauties'-free :-) and, about the S/N (54609257), Tom (N50FF) reported: 'Sounds like you

have a late model. The date code is past any S.N./version data that I have. They made VLF versions in 1964, and apparently others.'... So it appears to be an interesting unit. I'll post the findings in that matter, if any.

SPC-10

-----

Today I'm playing with the other element of the package, the SPC-10. After the successful cleaning of the SP-600 front panel, I have followed same procedure with the SPC-10 front panel. The 'transparent' layer was not so transparent but uniform and harder than the receiver one. So I decided only to clean (not to remove) it with 'Titanlux Liquid Polishment' and the result has been very good: now I have a uniform colour (a bit darker than the receiver) and an smooth surface. The paste has proven good also to polish the plastic cover of the tuning meter, which was almost opaque and now is almost transparent.

Then, I have fired the converter and... Well, it works but not too fine. I've found the following:

- Noise limiter: doesn't work; when I connect it, signal vanishes completely.
- Tuning indicator: when I connect the SPC-10, it goes full to the right. Then goes slowly full to the left and remains there forever.
- Lower sideband: distorts a lot!.
- Upper sideband: low output, with a bit of distortion also.
- Both sidebands: add two previous comments and you have it.
- AVC: ????. I think this control is not working, but I'm not sure enough, due to the rest of failures.

Well, I've just opened (again; I did it two days ago to clean) the top cover of the SPC-10. By the way, this unit is very clean inside, with all tube covers in very nice condition. All the tubes are marked 'Hammarlund' and I suspect this is the main cause of failure... weak tubes here and there!. Tonight I will test all of them with my Tripplet 3444 tester. Results will be posted in next chapter. Stay tuned :-) !

Best regards.

JOSE

-----

73 JOSE V. GAVILA (EB5AGV / EC5AAU)  
46910 Benetusser - Valencia (IM99TK)  
SPAIN

\*\*\* PLEASE, VISIT MY HOME PAGE AT : \*\*\*  
<http://www.geocities.com/SiliconValley/6992>  
e-mail: eb5agv@ctv.es & eb5agv@amsat.org



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From boatanchors@theporch.com Fri Feb 28 09:20:18 1997  
From: n5off@w5ddl.aara.org  
Subject: SP-600JX?  
Message-ID: <589838@w5ddl.aara.org>

Jose,

I don't know if you did this yet, but if you describe completely the functions and various knobs on your SP-600JX, perhaps we could come up with a version.

Sounds like you have a late model. The date code is past any s.n./version data that I have. They made VLF versions in 1964, and apparently others.

Give us a knob inventory.

73 tom

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997  
From: bill@skeeter.frco.com (William Hawkins)  
Subject: Speaker impedance  
Message-ID: <9702280248.AA20964@skeeter.bvc.frco.com>

Well, the trouble with old pfarts on the 'net is that they'll state something as gospel that they thought they learned in their youth, but something's happened to the memory over the years. I offer myself as a case in point. Earlier today, I said minimum speaker impedance happened at resonance. Another reply said that was not the case. I clearly remember testing a big speaker, maybe 15", and finding minimum impedance at resonance. Made sense to me - L and C cancel out and leave you with R - but the memory is false.

Dug out my reference work on high fidelity: Gernsback Library #42, "High-Fidelity Techniques" by James R. Langham, 4th edition 1953. Chapter 2 talks about speaker impedance and shows a curve for an 8" speaker at the 1 watt level. Starts at 40 cps and 5 ohms, rises rapidly to 45 ohms at 70 cps, then drops to 4 ohms at 500 cps, and rises to 30 ohms at 10,000 cps. Regions of the curve are marked inductive below resonance at 70 cps, capacitive from 70 to 500, and inductive above 500 cps. Clearly, the minimum impedance is not at resonance, but at 500 cps. Someday I will do the experiment again, but its gotta get in line with the rest of the projects.

Some quotes from Langham:

"Manufacturers of speakers state glibly and blithely that the impedance of model umpty-ump is 6-8 ohms. They don't mean it that way."

"Actually, there probably is some frequency at which the speaker's impedance is around 6 to 8 ohms, and the chances are that that point is close to 500 cycles. But the impedance probably goes up close to 50 ohms somewhere in the audio band."

He mentions some monographs by Jensen that are quite good, but boil down to "rigorous speaker measurements don't mean a lot."

The rest of what I said is probably right, though.

Regards,  
Bill Hawkins bill@skeeter.frco.com

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997  
From: Dave Kelley <aa7tq@primenet.com>  
Subject: Star Wars and Radios  
Message-ID: <01BC254E.D35C2740@WEB1>

Since you're all going to run out to see all the BAs in Star Wars you may as well listen for the time signals they hear from CHU in Canada. I think they are on 7.335. It's in the second movie, when they are in the snow. Hmmm, it's probably all they could pick up with that old ARC-5 from there...

What better place to find a BA than "A long time ago, in a galaxy far, far away"?

73

Dave  
AI7R

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997  
From: ALanger394@aol.com  
Subject: Surplus Sales of Nebraska  
Message-ID: <970228024427\_1017269251@emout02.mail.aol.com>

Hellow Fellow BA''s

Please can someone let me know the web site address for Surplus Sales Of Nebraska

I am familiar with previous posting comments on this company

Thanks

Allan

alanger394@aol.com

From boatanchors@theporch.com Fri Feb 28 16:51:15 1997

From: Michael Hanz <AAFRadio@erols.com>

Subject: T75/APT-4

Message-ID: <331754F3.7C08@erols.com>

In the needle in the haystack department...

With the recent addition of an MD-30/APT-4 modulator to my stash of stuff for this set, I now only need the T75/APT-4 oscillator. Anyone have one sitting in the garage? Lots of good stuff to trade, or will purchase if desired.

This oscillator is easy to identify...single black wrinkle ATR case (8x10x20") but a whopping 65lb! Not much inside - a 5J29 or 5J30 magnetron and tuning stubs plus a little radiator, pump, and fan for the water cooled tube. Any leads appreciated.

73,

--

Mike Hanz KC4TOS

Herndon, VA

AAFRadio@erols.com

From boatanchors@theporch.com Fri Feb 28 16:51:15 1997

From: owens@stout.atd.ucar.edu (Chip Owens)

Subject: TCS part wanted

Message-ID: <199702281713.KAA02516@atd.atd.ucar.EDU>

Hi Gang,

The 12A6 tubes needed have been found-Thanks to all who replied.  
I'm still seeking the T101 audio transformer used in the TCS transmitter.  
If you can help I'd be pleased to hear from you.

Thanks!

Chip Owens, NW00

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997  
From: Jay Coward <jayc@hpcmrd42.sj.hp.com>  
Subject: WTB BC-AR-229 stuff  
Message-ID: <9702280101.AA19444@hpcmrd42.sj.hp.com>

Greetings to the Group,  
I would like to purchase the following for the  
BC-AR-229:

- coil sete
- connectors
- control heads
- dynamotor
- shock mounts
- transmitter
- manuals

In short, all I have so far is the receiver with tubes.  
I also collect the Navy version called RU/GF and I'm  
always interested in acquiring more. Specifically, the  
junction box for the RU-16/GF-11 12 volt system.  
It has the black ID tags for 12V and the 24V sets  
had blue tags.  
Thanks, 73 Jay

From boatanchors@theporch.com Fri Feb 28 16:51:15 1997  
From: John Roccaro <jroccaro@chesco.com>  
Subject: WTB Johnson KW Matchbox  
Message-ID: <Pine.BSI.3.91.970228135820.18439A-1000000@carriage.chesco.com>

Anybody got one they want to part with?

From boatanchors@theporch.com Fri Feb 28 09:20:18 1997  
From: Glen Galati <eldim@worldnet.att.net>  
Subject: WTB: Sonar Ckt.Brds  
Message-ID: <19970228095911.AAA23669@GLENGALA>

Hello Fellow BA'ers, I have a need for 5ea. new or used  
Motorola MVME 167-33 EURO cards for use in conjunction with  
AN/BUH-9 Sonar. Ckt.cards have 2ea. 96 pin edge connectors  
and are relatively over 7 yrs. old.  
Thanks, Glen KA7BOJ eldim@worldnet.att.net

From boatanchors@theporch.com Fri Feb 28 16:51:15 1997

From: BEN NOCK <106312.1035@compuserve.com>  
Subject: Xtal needed.  
Message-ID: <199702281440\_MC2-11E5-4155@compuserve.com>

Hi, can you have a look in your xtal box for

FT243: 4037 & 4085 KHz or any thing close

Any other holder, ie 10XJ, would be ok as well.

Many thanks. Ben G4BXD

MILITARY WIRELESS IN THE MIDLANDS

From boatanchors@theporch.com Fri Feb 28 16:51:15 1997  
From: "Walter Fairclough" <wfairclo@netcom.ca>  
Subject: Yaesu Y0-100  
Message-ID: <199702282039.PAA23809@tor-srs1.netcom.ca>

Anyone out there have a 0.1 ufd @ 1500 VDC axial lead electrolytic capacitor or can tell me where to get one. Need one to repair my Y0-100.

Thanks for reading.

Walter - VE3EN

Walter Fairclough  
Manotick, Ontario  
wfairclo@netcom.ca